SMC9452TX-2

EZ Card™ 1000Mbps Copper Gigabit PCI Adapter

OVERVIEW

The EZ Card™ 1000 (SMC9452TX-2) is a high performance 32-bit 10/100/1000Mbps copper gigabit PCI interface card designed for network connectivity for home or office use. SMC9452TX-2 offers 10/100/1000Mbps auto-configuration, cross-over detection, auto correction, and full duplex support to maximize the network's potential speed while accommodating the existing infrastructure. SMC9452TX-2's advanced features such as TCP and UDP Checksum Offload (minimizes CPU utilization), Flow Control, VLAN, Jumbo Frame support ensures data integrity under heavy loading. Fully IEEE compliant and up to 10 times faster than Fast Ethernet, SMC9452TX-2 is an ideal Gigabit wired networking solution for home or office with Wake-On-LAN, remote wake-up support, Plug-and-Play installation, and support for major operating systems.

KEY FEATURES

Feature 1

Fully compliant with IEEE 802.3ab (1000BASE-T), IEEE 802.3u (100BASE-TX), and IEEE IEEE802.3 (10BASE-T) standards with 2000Mbps Full-duplex performance.

Feature 2

Supports VLANs and Jumbo Frame for increased network performance, improved manageability, and increased security.

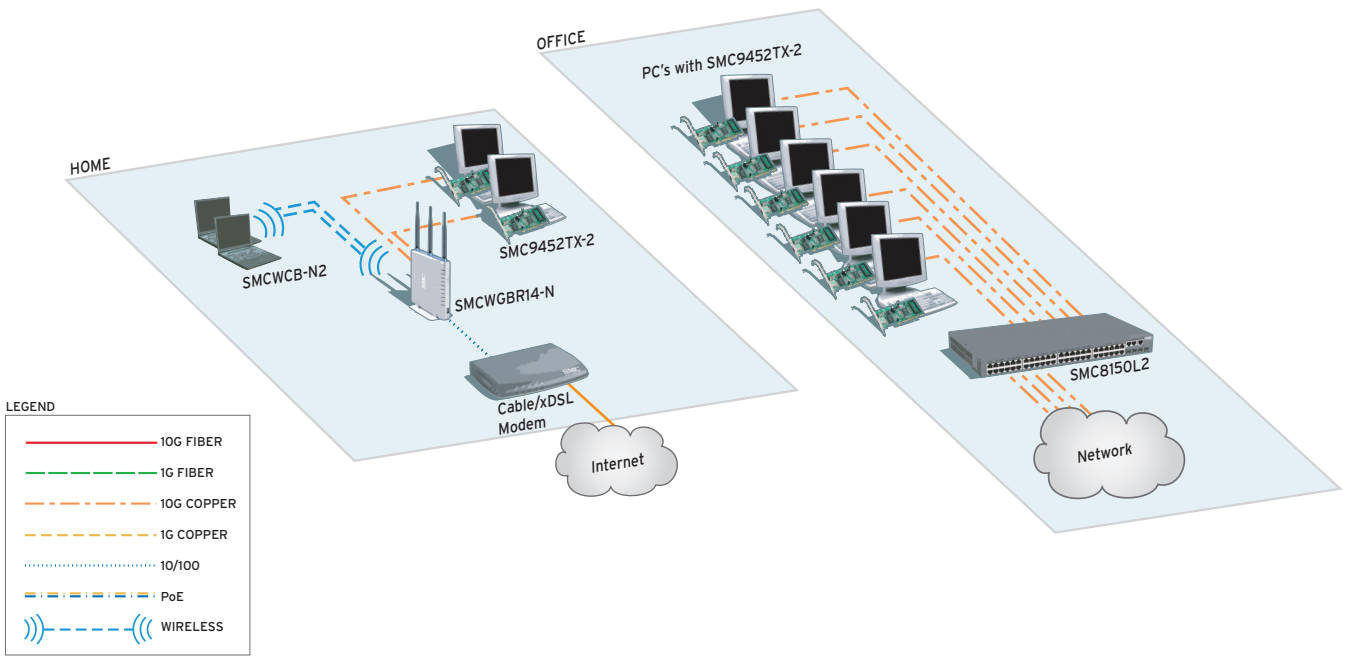
Feature 3

Supports Wake-on-LAN and remote wake-up support (including AMDMagic Packet, Re-LinkOk, and Microsoft® Wake-up frame) for remote powering of the PCs

Feature 4

Optional bootrom - Serial EEPROM and /or Flash support

APPLICATION DIAGRAM



TECH SPECS - SMC9452TX-2

NETWORK INTERFACES
- 10BASE-T, 100BASE-TX, 1000BASE-T

NETWORK MEDIA
- 10BASE-T: UTP category 3, 4, 5 cable (100m Max)
- EIA/TIA-568 100: STP (100m Max)
- 100BASE-TX: UTP category 5, 5e cable (100m Max)
- EIA/TIA-568 100: STP (100m Max)
- 1000BASE-T: UTP category 5, 5e cable (100m Max)

BUS INTERFACES
- PCI v2.2, 32-bit, 33/66MHz

STANDARDS
- IEEE 802.3 (10BASE-T)
- IEEE 802.3u (100BASE-TX)
- IEEE 802.3ab (1000BASE-T)
- IEEE 802.3x (Flow Control)
- IEEE 802.1P (Priority Queuing Tagging)
- IEEE 802.1Q (VLAN)
- IEEE 802.3 Nway Auto-Negotiation
- PCI v.2.2
- ACPI v1.0/ 2.0

FEATURES
- PCI Local Bus Master 2.1/ 2.2 Support
- Supports PCI 2.1/2.2 ACPI Power Management Wake-On-LAN
- Compliant to PC 99 Standard
  (Magic Packet, LinkChg and Microsoft wake-up frame)
- Two independent receive and transmit FIFOs
- Jumbo Frame Support (7680Bytes)
- Plug-and-Play
- Bootrom slot

DATA TRANSFER RATE
- 10Mbps (Half-duplex)
- 20Mbps (Full-duplex)
- 100Mbps (Half-duplex)
- 200Mbps (Full-duplex)
- 1000Mbps (Half-duplex)
- 2000Mbps (Full-duplex)

OPERATING SYSTEMS
- Windows 98
- Windows 98SE
- Windows ME
- Windows NT
- Windows 2000
- Windows XP
- Windows Vista
- Linux 2.2x/ 2.4x/ 2.6x
- Linux 2.4x/ 2.6x
- Netware
- MAC OS 10.x

LED INDICATION
- 1000Mbps/ Link/ Activity
- 100Mbps/ Link/ Activity

COMPLIANCES
- FCC Part 15, Class B
- CE Mark Class B

POWER CONSUMPTION
- 4 Watts (Max)

TEMPERATURE
- Operating: 32 ~ 104 F/ 0 ~ 40C
- Storage: -40 ~ 158F/ -40 ~ 70C

HUMIDITY
- Operating: 10% ~ 90% non-condensing
- Storage: 5% ~ 90% non-condensing

DIMENSIONS
- 120mm x 59mm x 11mm (L x W x D) (Without the bracket)
- 4.72 in x 2.32 in x .43 in (L x W x D) (Without the bracket)

WEIGHT
- 36g (Without the bracket)
- 1.28oz (Without the bracket)

WARRANTY
- Limited Lifetime

CONTACT

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